

located at three apexes of an isosceles triangle.

As illustrated in Figs. 4, 5A, and 5B, the receptacle shell 13 has an upper surface provided with a pair of holes 13A. The holes 13A are adapted to be engaged with a plug connector 16 illustrated in Figs. 6A to 6C.

Referring to Figs. 6A to 6C, the plug connector 16 comprises a plurality of signal contacts S, a plurality of ground contacts G, a plurality of ordinary contacts D, an insulator 17 holding the signal contacts S, the ground contacts G, and the ordinary contacts D, and a plug shell 18 surrounding all of the above-mentioned components.

The plug shell 18 has an upper surface provided with a pair of springs 18A. The springs 18A are adapted to be engaged with the holes 13A of the receptacle connector 11, respectively.

Next referring to Figs. 7A, 7B, and 8A to 8D, description will be made of a connector according to a third embodiment of this invention.

The connector illustrated in the figures is a receptacle connector 21 of a SMT (Surface Mount) type. As illustrated in Figs. 7B and 8A to 8D, the receptacle connector 21 comprises a plurality of signal contacts S, a plurality of ground contacts G, a plurality of ordinary contacts D, an insulator 22 holding the signal contacts S, the ground contacts G, and the ordinary contact D, and a receptacle shell 23 surrounding all of the above-mentioned components.

As illustrated in Fig. 7B, the contacts of the above-mentioned three types (S, G, and D) are disposed in a specific arrangement. In an upper array, the contacts are arranged in the order of S, S, G, S, S, G, D, D, D from the right side. In a lower array, the contacts are arranged in the order of G, S, S, G, S, S, D, D from the right side. The signal contacts S, S adjacent to each other in the upper array and the ground contact G in the lower array are located at three apexes of an isosceles triangle. Likewise, the ground contact G in the upper array and the signal contacts S, S adjacent to each other in the lower array are

RECEIVED
SEARCHED
INDEXED
SERIALIZED
FILED